

# BUCKNER

## HEAVYLIFT CRANES

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PROJECT:  
LR11000 SL8DF2B 114+12

LOCATION: -----

BUCKNER CONTACT: Dan Ives, PE  
Dani@BucknerHeavylift.com

LIFT PLAN BY: Dan Ives, PE  
Dani@BucknerHeavylift.com

DRAWING NOTES:  
Title Page

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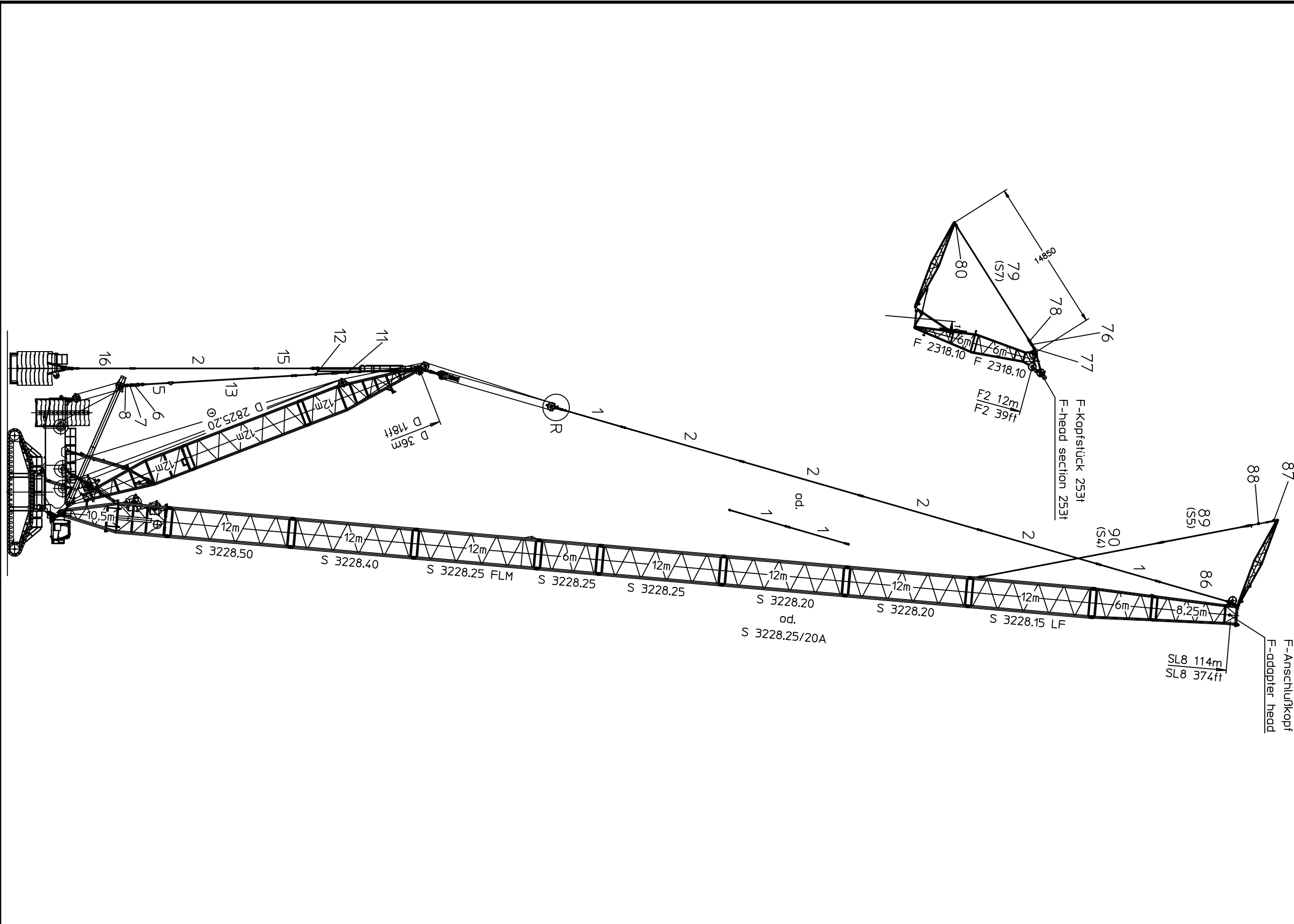
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PROJECT:  
LR11000 SL8DF2B 114+12

LOCATION: -----  
BUCKNER CONTACT: Dan Ives, PE  
Dani@BucknerHeavylift.com

LIFT PLAN BY: Dan Ives, PE  
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DRAWING NOTES:  
Build Sheet

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Pos. Item	Description		Page
1 967746908	ROD CPL.	6M	
2 967743808	ROD CPL.	12 M	
5 967846208	PULL ROD	3.3M	
6 917368808	MEASURING PLATE	3000 KN	34
7 967846608	PULL TAB WITH SIGN	0.4M	
8 967845508	DRAW SHACKLE	0.7M	
9 967897608	PULL ROD	3.5M	
11 968026108	DRAWBAR PRE-ASS	6.0M	
12 968026208	PULL ROD	3.9M	
13 967704008	ROD CPL.	12 M	
15 968026008	PULL ROD	5.765M	
16 968242208	PULL ROD	6.050 M	
18 968190108	PULL ROD	2.5M	
19 968190208	PULL ROD	6.005M	
86 96038420	RODS / PULL RODS	7.35M	
87 96035533	BRACKET CPL.		
88 96035475	ROTATING SHAFT		
89 96037814	GUY ROPE CPL.	66X8.5M	
90 96037810	GUY ROPE CPL.	66X18M	
1000 98045570	RODS/ PULL RODS LR 11000	SL8DF2B	

Pos. Item	Description		Page
76 919219108	MEASURING PLATE	1250 KN	19
77 96037041	DRAW SHACKLE	0.6M	
78 96037042	DRAW SHACKLE	0.230M	
79 97122954	FIBRE TENSIONING ROPE	66X13.1M	
80 96035525	DRAW SHACKLE		
81 96037332	GUY ROPE CPL.	66X2.725M	
82 96037007	GUY ROPE CPL.	66X5.45M	
83 96037255	GUY ROPE CPL.	66X10.9M	
84 96039026	DRAW SHACKLE	0.930M	
85 96039027	DRAW SHACKLE	1.630M	
1000 98043732	RODS/ PULL RODS LR 11000	F2	

PROJECT:  
LR11000 SL8DF2B 114+12

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BUCKNER CONTACT: Dan Ives, PE  
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Dani@BucknerHeavylift.com

DRAWING NOTES:  
Rod Plans

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18.6.2021	098260 (LR 11000) RODS/ PULL RODS LR 11000 SL8DF2B	96042304 Page: 63
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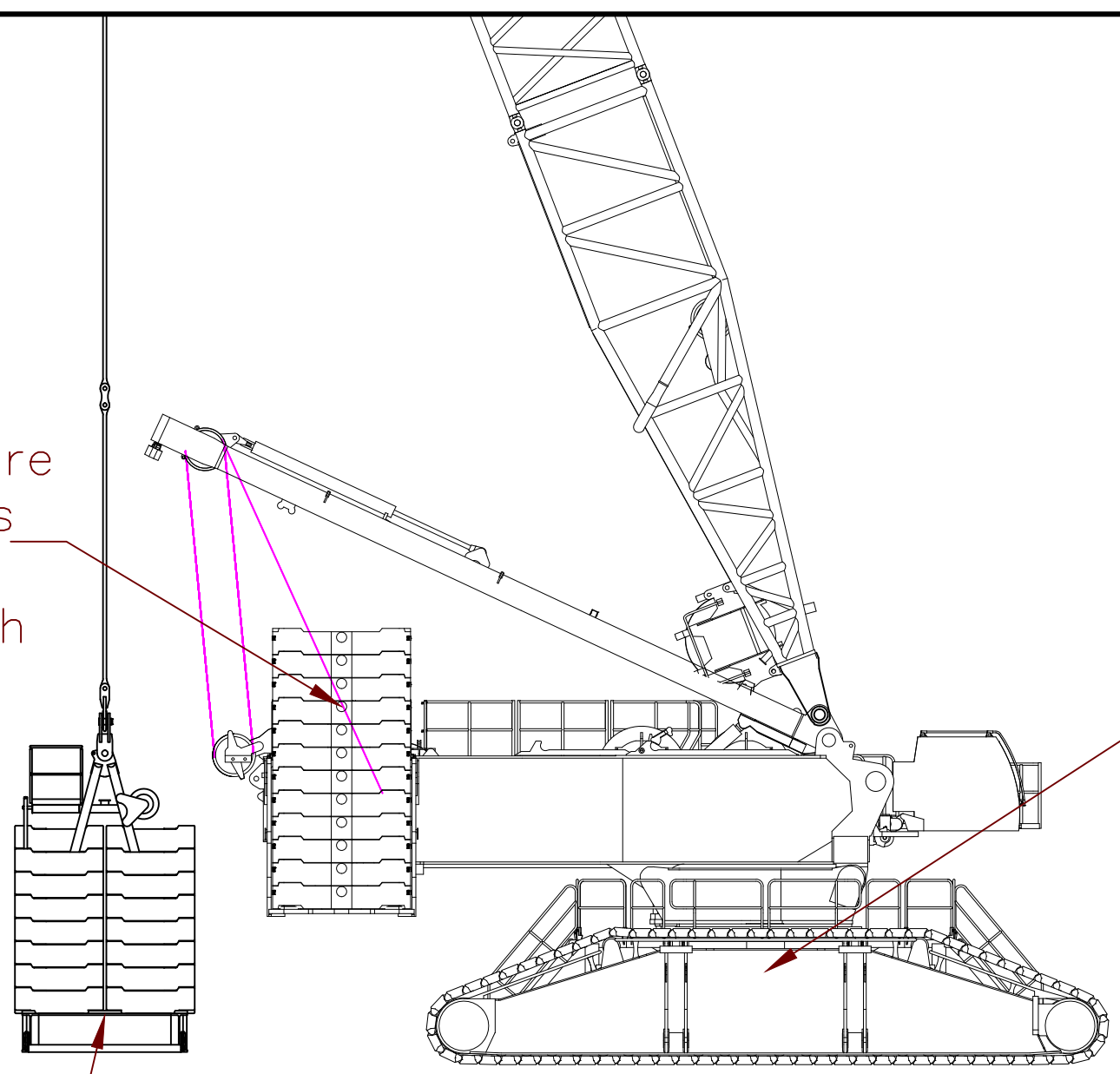
14.5.2019	LR 11000 (098251) RODS/ PULL RODS LR 11000 F2	96039268 Page: 11
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Superstructure  
250 tonnes  
24 rocks  
10 ton each

Carbody  
130 tonnes  
12 rocks  
10 ton each

Tray  
150 tonnes total  
For standard tray  
14 rocks

For LTR wide tray  
0 rocks



PROJECT:  
LR11000 SL8DF2B 114+12

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DRAWING NOTES:  
Counterweight Arrangement

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Hook block with installed auxiliary weights	Net weight	
2 auxiliary weights	4.5 t	9920 lb
4 auxiliary weights	6.5 t	14330 lb
6 auxiliary weights	8.5 t <sup>1)</sup>	18740 lb <sup>1)</sup>

Auxiliary weights

1) Maximum permissible net weight of the hook block.

**1.5 Hook block 250 DM (SWL 250 t (551250 lb))**

Load		Rope pulleys	Maximum reeving	Net weight without auxiliary weight	
242.9 t	535600 lb	5	11	3.0 t	6620 lb

Hook block 250 DM

Hook block with installed auxiliary weights		Net weight	
2 auxiliary weights	5.0 t	11030 lb	
4 auxiliary weights	7.0 t	15440 lb	
6 auxiliary weights	9.0 t	19850 lb	
8 auxiliary weights	11.0 t <sup>1)</sup>	24260 lb <sup>1)</sup>	

Auxiliary weights

1) Maximum permissible net weight of the hook block.

**1.6 Double hook block 320 / 160 DM (SWL 160 t (352800 lb))**

Load		Rope pulleys	Maximum reeving	Net weight without auxiliary weight	
157.7 t	347600 lb	3	7	3.4 t	7500 lb

Double hook block 320 / 160 DM

Hook block with installed auxiliary weights		Net weight	
2 auxiliary weights	5.4 t	11910 lb	
4 auxiliary weights	7.4 t	16320 lb	
6 auxiliary weights	9.4 t	20730 lb	
8 auxiliary weights	11.4 t <sup>1)</sup>	25140 lb <sup>1)</sup>	

Auxiliary weights

1) Maximum permissible net weight of the hook block.

**1.7 Double hook block 650 / 325 DMZ (SWL 325 t (716630 lb))**

There are two versions of this double hook block. Both versions differ in shape and net weight.

LWE/A23501-1B-02/en

**1.7.1 Version 1**

Load		Rope pulleys	Maximum reeving	Net weight without auxiliary weight	
324.8 t	716100 lb	7	15	10.0 t	22050 lb

Double hook block 650 / 325 DMZ

Hook block with installed auxiliary weights		Net weight	
2 auxiliary weights	12.0 t	26460 lb	
4 auxiliary weights	14.0 t	30870 lb	
6 auxiliary weights	16.0 t	35280 lb	
8 auxiliary weights	18.0 t <sup>1)</sup>	39690 lb <sup>1)</sup>	

Auxiliary weights

1) Maximum permissible net weight of the hook block.

**1.7.2 Version 2**

Load		Rope pulleys	Maximum reeving	Net weight without auxiliary weight	
324.8 t	716100 lb	7	15	8.9 t	19620 lb

Double hook block 650 / 325 DMZ

Hook block with installed auxiliary weights		Net weight	
2 auxiliary weights	10.9 t	24030 lb	
4 auxiliary weights	12.9 t	28440 lb	
6 auxiliary weights	14.9 t	32850 lb	
8 auxiliary weights	16.9 t <sup>1)</sup>	37260 lb <sup>1)</sup>	

Auxiliary weights

1) Maximum permissible net weight of the hook block.

**1.8 Double hook block 800 / 400 DMZ (SWL 400 t (882000 lb))**

Load		Rope pulleys	Maximum reeving	Net weight without auxiliary weight	
400.0 t	882000 lb	9	19	12.0 t	26460 lb

Double hook block 800 / 400 DMZ

LWE/A23501-1B-02/en

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LR11000 SL8DF2B 114+12

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BUCKNER CONTACT: Dan Ives, PE  
Dani@BucknerHeavyLift.com  
LIFT PLAN BY: Dan Ives, PE  
Dani@BucknerHeavyLift.com

DRAWING NOTES:  
Hook Block

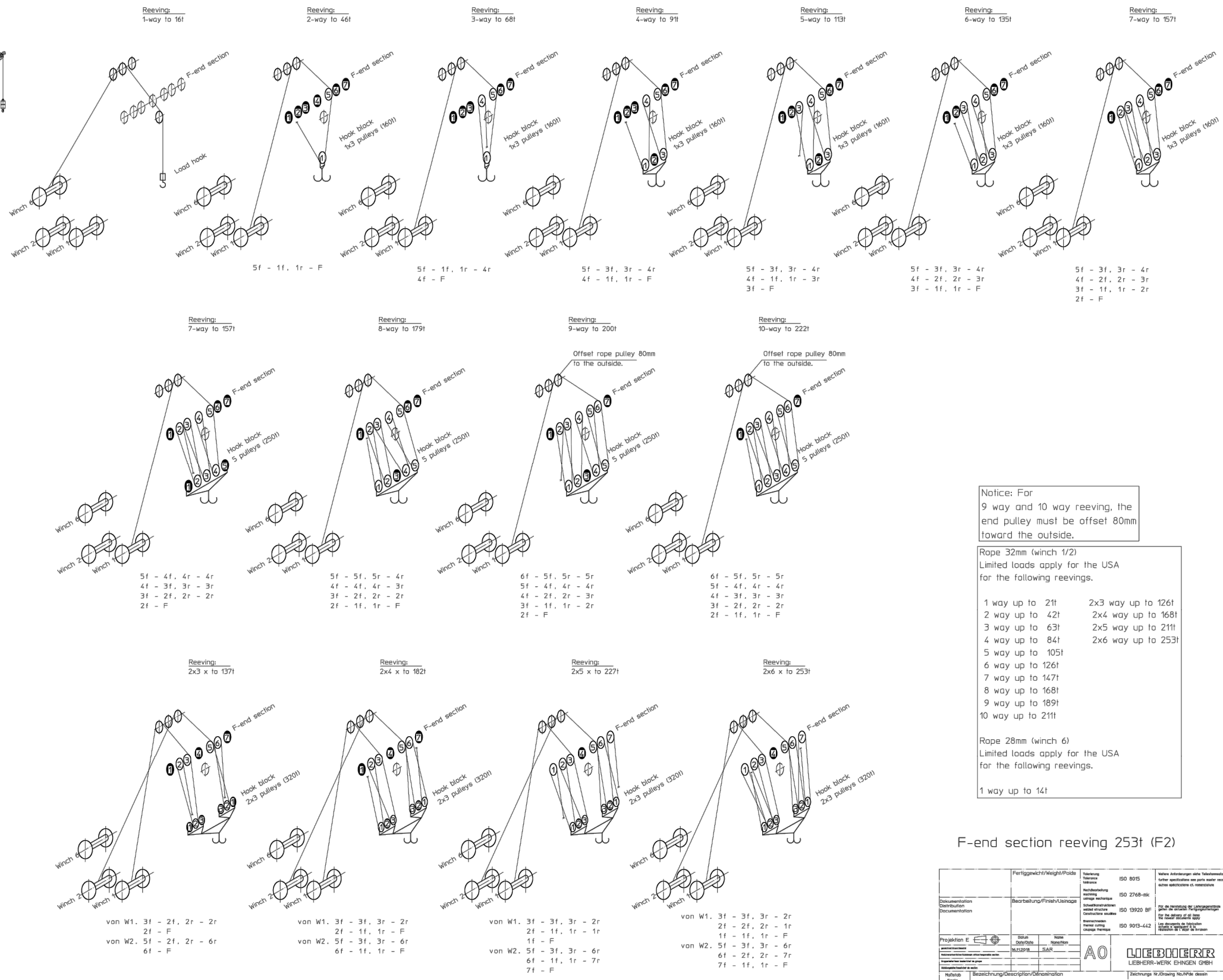
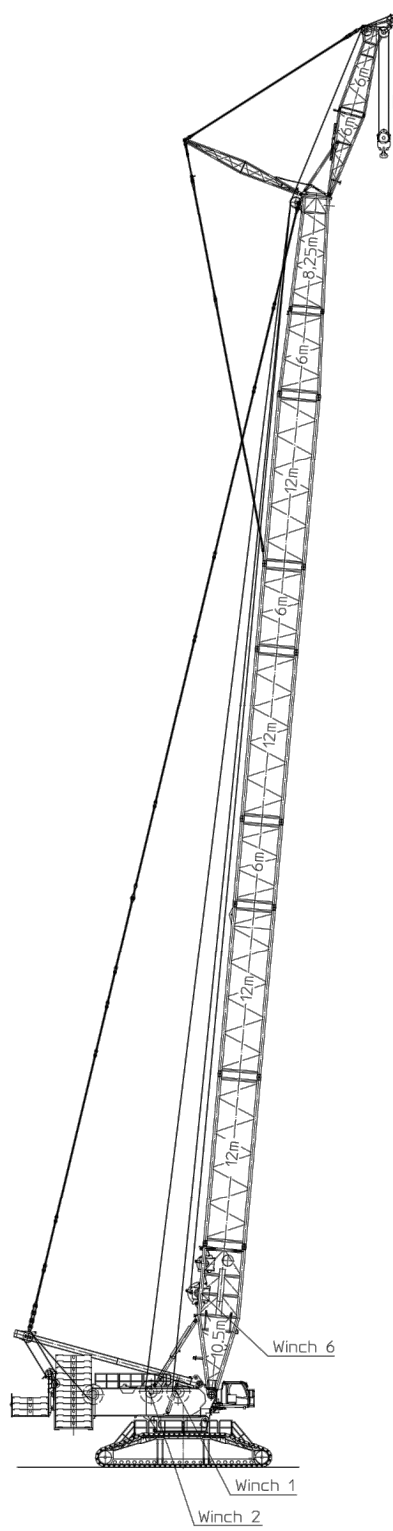
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F = Fixpoint = Festpunkt  
 f = front = vorne  
 r = rear = hinten

Notice: For 9 way and 10 way reeving, the end pulley must be offset 80mm toward the outside.

Rope 32mm (winch 1/2)  
 Limited loads apply for the USA for the following reeving.

- 1 way up to 21t
- 2 way up to 42t
- 3 way up to 63t
- 4 way up to 84t
- 5 way up to 105t
- 6 way up to 126t
- 7 way up to 147t
- 8 way up to 168t
- 9 way up to 189t
- 10 way up to 211t
- 2x3 way up to 126t
- 2x4 way up to 168t
- 2x5 way up to 211t
- 2x6 way up to 253t

Rope 28mm (winch 6)  
 Limited loads apply for the USA for the following reeving.

- 1 way up to 14t

Fertiggewicht/Weight/Poids		Technische Zeichnung		ISO 8015
Bearbeitung/Finish/Usinage		Nachherstellung		ISO 2768-mk
Dokumentation		Anspruchsbekanntmachung		ISO 13920 BF
Projektion E		Anspruchsbekanntmachung		ISO 9013-442
Skala		Skala		AO
Beschreibung/Description/Description		Zerlegung/Disassembly/Disassemblage		1668-722.00.014-000
REEVING PLAN		REEVING PLAN		9804 3912
F2-END SECTION		F2-END SECTION		

PROJECT:  
 LR11000 SL8DF2B 114+12

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 BUCKNER CONTACT: Dan Ives, PE  
 Dani@BucknerHeavylift.com  
 LIFT PLAN BY: Dan Ives, PE  
 Dani@BucknerHeavylift.com

DRAWING NOTES:  
 Reeving Plan

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SL8DF2B – operation, turntable ballast 250t / central ballast 130t  
SL8F2: F-connector head

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Page: 1 of 6

On crawlers 9.6m x 9.2m x 2.0m  
Ground slope: maximum 0.3°  
Without mechanical auxiliary support

System: S 3228.40/25/20/15  
D 2825.25/20  
F 2318.10

**Wind speeds:**

maximum 9.0m/s: for all boom lengths and wind direction 360°.  
maximum 12.8m/s: for boom lengths below 140m and wind direction 360°. With a total boom length above 140m (highlighted in gray in the chart), erection / take-down is only permissible with wind from the front or from the rear on the boom. The permissible inflow angle range is ±25°.

SL8DF2B DR 12m DBR 12m			Permissible weight of the hook block [t] on the F2-boom											
			For derrick ballast [t] for derrick radius (DR) 12m / derrick ballast radius (DBR) 12m											
			0	50	100	150	200	250	300	350	400	450		
Main boom length [m]	SL8-102	F2 [m]	12	-	-	5.3	12	18	•	•	•	•	•	•
			15	-	-	4	10	17	•	•	•	•	•	•
			18	-	-	3.3	9.8	16	•	•	•	•	•	•
			21	-	-	2.2	8.4	14	•	•	•	•	•	•
			24	-	-	-	7.6	13	19	•	•	•	•	•
			27	-	-	-	6.3	12	18	•	•	•	•	•
			30	-	-	-	5.9	11	17	•	•	•	•	•
			33	-	-	-	4.6	10	16	•	•	•	•	•
			36	-	-	-	3.9	9.4	15	•	•	•	•	•
			39	-	-	-	2.7	8.1	13	19	•	•	•	•
Main boom length [m]	SL8-108	F2 [m]	12	-	-	-	5.3	11	18	•	•	•	•	•
			15	-	-	-	4.1	10	16	•	•	•	•	•
			18	-	-	-	3.4	9.5	15	•	•	•	•	•
			21	-	-	-	2.2	8.2	14	•	•	•	•	•
			24	-	-	-	-	7.4	13	19	•	•	•	•
			27	-	-	-	-	6.1	11	17	•	•	•	•
			30	-	-	-	-	5.7	11	16	•	•	•	•
			33	-	-	-	-	4.5	9.9	15	•	•	•	•
			36	-	-	-	-	3.7	9	14	19	•	•	•
			39	-	-	-	-	2.5	7.7	13	18	•	•	•
Main boom length [m]	SL8-114	F2 [m]	12	-	-	-	-	4.2	10	16	•	•	•	•
			15	-	-	-	-	3	9	14	•	•	•	•
			18	-	-	-	-	2.4	8.2	14	19	•	•	•
			21	-	-	-	-	-	6.9	12	18	•	•	•
			24	-	-	-	-	-	6.1	11	17	•	•	•
			27	-	-	-	-	-	4.9	10	15	•	•	•
			30	-	-	-	-	-	4.5	9.9	15	•	•	•
			33	-	-	-	-	-	3.3	8.6	13	19	•	•
			36	-	-	-	-	-	2.6	7.7	12	17	•	•
			39	-	-	-	-	-	-	6.5	11	16	19	•

- Hook block weight up to 20t permissible
- Erection not permissible

It may be necessary to use a greater hook block weight than is indicated here. See the load chart manual: Determination of hoist rope reeving and hook block. This heavier hook block must be carried along on the ground during erection / take-down, or the auxiliary weights must be attached after erection and removed before take down.

SL8DF2B – operation, turntable ballast 250t / central ballast 130t  
SL8F2: F-connector head

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Page: 2 of 6

On crawlers 9.6m x 9.2m x 2.0m  
Ground slope: maximum 0.3°  
Without mechanical auxiliary support

System: S 3228.40/25/20/15  
D 2825.25/20  
F 2318.10

**Wind speeds:**

maximum 9.0m/s: for all boom lengths and wind direction 360°.  
maximum 12.8m/s: for boom lengths below 140m and wind direction 360°. With a total boom length above 140m (highlighted in gray in the chart), erection / take-down is only permissible with wind from the front or from the rear on the boom. The permissible inflow angle range is ±25°.

SL8DF2B DR 12m DBR 12m			Permissible weight of the hook block [t] on the F2-boom										
			For derrick ballast [t] for derrick radius (DR) 12m / derrick ballast radius (DBR) 12m										
			0	50	100	150	200	250	300	350	400	450	
Main boom length [m]	SL8-120	F2 [m]	12	-	-	-	-	-	3.7	9.5	15	•	•
			15	-	-	-	-	-	2.5	8.2	13	19	•
			18	-	-	-	-	-	-	7.4	13	18	•
			21	-	-	-	-	-	-	6.2	11	17	•
			24	-	-	-	-	-	-	5.4	10	16	19
			27	-	-	-	-	-	-	4.2	9.4	14	17
			30	-	-	-	-	-	-	3.8	9	14	17
			33	-	-	-	-	-	-	2.7	7.7	12	15
			36	-	-	-	-	-	-	-	6.8	11	14
			39	-	-	-	-	-	-	-	5.6	10	13
Main boom length [m]	SL8-126	F2 [m]	12	-	-	-	-	-	-	-	7.7	12	16
			15	-	-	-	-	-	-	-	6.5	11	15
			18	-	-	-	-	-	-	-	5.7	10	14
			21	-	-	-	-	-	-	-	4.5	9.6	13
			24	-	-	-	-	-	-	-	3.8	8.7	12
			27	-	-	-	-	-	-	-	2.6	7.4	10
			30	-	-	-	-	-	-	-	2.3	7.1	10
			33	-	-	-	-	-	-	-	-	5.9	8.9
			36	-	-	-	-	-	-	-	-	5.1	8
			39	-	-	-	-	-	-	-	-	3.9	6.9
Main boom length [m]	SL8-132	F2 [m]	12	-	-	-	-	-	-	-	-	6	9.4
			15	-	-	-	-	-	-	-	-	4.7	8.2
			18	-	-	-	-	-	-	-	-	4.2	7.6
			21	-	-	-	-	-	-	-	-	3	6.3
			24	-	-	-	-	-	-	-	-	2.3	5.4
			27	-	-	-	-	-	-	-	-	-	4.3
			30	-	-	-	-	-	-	-	-	-	4.1
			33	-	-	-	-	-	-	-	-	-	2.9
			36	-	-	-	-	-	-	-	-	-	2
			39	-	-	-	-	-	-	-	-	-	-

- Hook block weight up to 20t permissible
- Erection not permissible

It may be necessary to use a greater hook block weight than is indicated here. See the load chart manual: Determination of hoist rope reeving and hook block. This heavier hook block must be carried along on the ground during erection / take-down, or the auxiliary weights must be attached after erection and removed before take down.

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LR11000 SL8DF2B 114+12

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Dani@BucknerHeavyLift.com

DRAWING NOTES:  
Erection and Takedown –  
DBR 12m

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SL8DF2B – operation, turntable ballast 250t / central ballast 130t  
SL8F2: F-connector head

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On crawlers 9.6m x 9.2m x 2.0m  
Ground slope: maximum 0.3°  
Without mechanical auxiliary support

System: S 3228.40/25/20/15  
D 2825.25/20  
F 2318.10

**Wind speeds:**

maximum 9.0m/s: for all boom lengths and wind direction 360°.  
maximum 12.8m/s: for boom lengths below 140m and wind direction 360°. With a total boom length above 140m (highlighted in gray in the chart), erection / take-down is only permissible with wind from the front or from the rear on the boom. The permissible inflow angle range is ±25°.

SL8DF2B DR 15m DBR 15m		Permissible weight of the hook block [t] on the F2-boom											
		For derrick ballast [t] for derrick radius (DR) 15m / derrick ballast radius (DBR) 15m											
		0	50	100	150	200	250	300	350	400	450		
Main boom length [m]	SL8-102	F2 [m]	12	-	-	8.6	16	•	•	•	•	•	•
			15	-	-	7.2	15	•	•	•	•	•	•
			18	-	-	6.5	14	•	•	•	•	•	•
			21	-	-	5.2	12	•	•	•	•	•	•
			24	-	-	4.5	11	18	•	•	•	•	•
			27	-	-	3.3	10	17	•	•	•	•	•
			30	-	-	2.9	9.8	16	•	•	•	•	•
			33	-	-	-	8.5	15	•	•	•	•	•
			36	-	-	-	7.6	14	•	•	•	•	•
			39	-	-	-	6.3	12	19	•	•	•	•
Main boom length [m]	SL8-108	F2 [m]	12	-	-	-	9.6	17	•	•	•	•	•
			15	-	-	-	8.3	15	•	•	•	•	•
			18	-	-	-	7.5	14	•	•	•	•	•
			21	-	-	-	6.2	13	•	•	•	•	•
			24	-	-	-	5.4	12	19	•	•	•	•
			27	-	-	-	4.2	11	17	•	•	•	•
			30	-	-	-	3.8	10	17	•	•	•	•
			33	-	-	-	2.7	9.1	15	•	•	•	•
			36	-	-	-	-	8.2	14	•	•	•	•
			39	-	-	-	-	7	13	19	•	•	•
Main boom length [m]	SL8-114	F2 [m]	12	-	-	-	-	9.4	16	•	•	•	•
			15	-	-	-	-	8.1	15	•	•	•	•
			18	-	-	-	-	7.3	14	•	•	•	•
			21	-	-	-	-	6.1	12	19	•	•	•
			24	-	-	-	-	5.3	11	18	•	•	•
			27	-	-	-	-	4.1	10	17	•	•	•
			30	-	-	-	-	3.7	10	16	•	•	•
			33	-	-	-	-	2.6	8.7	14	•	•	•
			36	-	-	-	-	-	7.9	13	19	•	•
			39	-	-	-	-	-	6.6	12	18	•	•

- Hook block weight up to 20t permissible
- Erection not permissible

It may be necessary to use a greater hook block weight than is indicated here. See the load chart manual: Determination of hoist rope reeving and hook block. This heavier hook block must be carried along on the ground during erection / take-down, or the auxiliary weights must be attached after erection and removed before take down.

SL8DF2B – operation, turntable ballast 250t / central ballast 130t  
SL8F2: F-connector head

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Page: 4 of 6

On crawlers 9.6m x 9.2m x 2.0m  
Ground slope: maximum 0.3°  
Without mechanical auxiliary support

System: S 3228.40/25/20/15  
D 2825.25/20  
F 2318.10

**Wind speeds:**

maximum 9.0m/s: for all boom lengths and wind direction 360°.  
maximum 12.8m/s: for boom lengths below 140m and wind direction 360°. With a total boom length above 140m (highlighted in gray in the chart), erection / take-down is only permissible with wind from the front or from the rear on the boom. The permissible inflow angle range is ±25°.

SL8DF2B DR 15m DBR 15m		Permissible weight of the hook block [t] on the F2-boom											
		For derrick ballast [t] for derrick radius (DR) 15m / derrick ballast radius (DBR) 15m											
		0	50	100	150	200	250	300	350	400	450		
Main boom length [m]	SL8-120	F2 [m]	12	-	-	-	-	2.8	9.7	16	•	•	•
			15	-	-	-	-	-	8.4	15	•	•	•
			18	-	-	-	-	-	7.6	14	•	•	•
			21	-	-	-	-	-	6.4	12	19	•	•
			24	-	-	-	-	-	5.6	11	18	•	•
			27	-	-	-	-	-	4.4	10	16	•	•
			30	-	-	-	-	-	4	10	16	•	•
			33	-	-	-	-	-	2.8	8.8	14	19	19
			36	-	-	-	-	-	2.1	7.9	13	18	18
			39	-	-	-	-	-	-	6.7	12	17	17
Main boom length [m]	SL8-126	F2 [m]	12	-	-	-	-	-	-	8.9	15	•	•
			15	-	-	-	-	-	-	7.6	14	19	•
			18	-	-	-	-	-	-	6.8	13	18	19
			21	-	-	-	-	-	-	5.6	11	17	18
			24	-	-	-	-	-	-	4.9	10	15	17
			27	-	-	-	-	-	-	3.7	9.6	14	15
			30	-	-	-	-	-	-	3.3	9.1	14	15
			33	-	-	-	-	-	-	2.2	7.9	12	13
			36	-	-	-	-	-	-	-	7	11	12
			39	-	-	-	-	-	-	-	5.8	10	11
Main boom length [m]	SL8-132	F2 [m]	12	-	-	-	-	-	-	2.2	8.4	13	15
			15	-	-	-	-	-	-	-	7.2	12	14
			18	-	-	-	-	-	-	-	6.4	11	13
			21	-	-	-	-	-	-	-	5.2	10	11
			24	-	-	-	-	-	-	-	4.5	9.3	10
			27	-	-	-	-	-	-	-	3.3	8.2	10
			30	-	-	-	-	-	-	-	3	7.8	9.2
			33	-	-	-	-	-	-	-	-	6.5	8.1
			36	-	-	-	-	-	-	-	-	5.6	7.3
			39	-	-	-	-	-	-	-	-	4.5	6.1

- Hook block weight up to 20t permissible
- Erection not permissible

It may be necessary to use a greater hook block weight than is indicated here. See the load chart manual: Determination of hoist rope reeving and hook block. This heavier hook block must be carried along on the ground during erection / take-down, or the auxiliary weights must be attached after erection and removed before take down.

PROJECT:  
LR11000 SL8DF2B 114+12

LOCATION: -----  
BUCKNER CONTACT: Dan Ives, PE  
Dani@BucknerHeavyLift.com  
LIFT PLAN BY: Dan Ives, PE  
Dani@BucknerHeavyLift.com

DRAWING NOTES:  
Erection and Takedown –  
DBR 15m

FILE: C:\Users\Dan Ives\OneDrive – Buckner HeavyLift  
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Revisions

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SHEET: 008 OF 012



**SL8DF2B – operation, turntable ballast 250t / central ballast 130t**  
**SL8F2: F-connector head**

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On crawlers 9.6m x 9.2m x 2.0m  
 Ground slope: maximum 0.3°  
 Without mechanical auxiliary support

System: S 3228.40/25/20/15  
 D 2825.25/20  
 F 2318.10

**Wind speeds:**

**maximum 9.0m/s:** for all boom lengths and wind direction 360°.  
**maximum 12.8m/s:** for boom lengths below 140m and wind direction 360°. With a total boom length above 140m (highlighted in gray in the chart), erection / take-down is only permissible with wind from the front or from the rear on the boom. The permissible inflow angle range is ±25°.

SL8DF2B DR 18m DBR 18m			Permissible weight of the hook block [t] on the F2-boom										
			For derrick ballast [t] for derrick radius (DR) 18m / derrick ballast radius (DBR) 18m										
			0	50	100	150	200	250	300	350	400	450	
Main boom length [m]	SL8-102	F2 [m]	12	-	2.7	11	•	•	•	•	•	•	•
			15	-	-	10	19	•	•	•	•	•	•
			18	-	-	9.6	18	•	•	•	•	•	•
			21	-	-	8.3	16	•	•	•	•	•	•
			24	-	-	7.4	15	•	•	•	•	•	•
			27	-	-	6.2	14	•	•	•	•	•	•
			30	-	-	5.7	13	•	•	•	•	•	•
			33	-	-	4.5	12	•	•	•	•	•	•
			36	-	-	3.7	11	18	•	•	•	•	•
39	-	-	2.6	10	17	•	•	•	•	•			
Main boom length [m]	SL8-108	F2 [m]	12	-	-	5.2	13	•	•	•	•	•	
			15	-	-	3.9	12	•	•	•	•	•	
			18	-	-	3.2	11	19	•	•	•	•	
			21	-	-	2.1	10	18	•	•	•	•	
			24	-	-	-	9.3	17	•	•	•	•	
			27	-	-	-	8.1	15	•	•	•	•	
			30	-	-	-	7.6	15	•	•	•	•	
			33	-	-	-	6.3	13	•	•	•	•	
			36	-	-	-	5.5	12	•	•	•	•	
39	-	-	-	4.3	11	18	•	•	•				
Main boom length [m]	SL8-114	F2 [m]	12	-	-	-	6.3	14	•	•	•	•	
			15	-	-	-	5	13	•	•	•	•	
			18	-	-	-	4.3	12	•	•	•	•	
			21	-	-	-	3.2	10	18	•	•	•	
			24	-	-	-	2.5	10	17	•	•	•	
			27	-	-	-	-	8.8	16	•	•	•	
			30	-	-	-	-	8.3	15	•	•	•	
			33	-	-	-	-	7	14	•	•	•	
			36	-	-	-	-	6.2	13	•	•	•	
39	-	-	-	-	5	11	18	•	•				

- Hook block weight up to 20t permissible
- Erection not permissible

It may be necessary to use a greater hook block weight than is indicated here. See the load chart manual: Determination of hoist rope reeving and hook block. This heavier hook block must be carried along on the ground during erection / take-down, or the auxiliary weights must be attached after erection and removed before take down.

**SL8DF2B – operation, turntable ballast 250t / central ballast 130t**  
**SL8F2: F-connector head**

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 Page: 6 of 6

On crawlers 9.6m x 9.2m x 2.0m  
 Ground slope: maximum 0.3°  
 Without mechanical auxiliary support

System: S 3228.40/25/20/15  
 D 2825.25/20  
 F 2318.10

**Wind speeds:**

**maximum 9.0m/s:** for all boom lengths and wind direction 360°.  
**maximum 12.8m/s:** for boom lengths below 140m and wind direction 360°. With a total boom length above 140m (highlighted in gray in the chart), erection / take-down is only permissible with wind from the front or from the rear on the boom. The permissible inflow angle range is ±25°.

SL8DF2B DR 18m DBR 18m			Permissible weight of the hook block [t] on the F2-boom										
			For derrick ballast [t] for derrick radius (DR) 18m / derrick ballast radius (DBR) 18m										
			0	50	100	150	200	250	300	350	400	450	
Main boom length [m]	SL8-120	F2 [m]	12	-	-	-	-	7.8	15	•	•	•	•
			15	-	-	-	-	6.5	14	•	•	•	•
			18	-	-	-	-	5.7	13	•	•	•	•
			21	-	-	-	-	4.6	12	19	•	•	•
			24	-	-	-	-	3.8	11	18	•	•	•
			27	-	-	-	-	2.7	9.8	16	•	•	•
			30	-	-	-	-	2.3	9.3	16	•	•	•
			33	-	-	-	-	-	8	14	•	•	•
			36	-	-	-	-	-	7.2	13	•	•	•
39	-	-	-	-	-	5.9	12	18	•	•			
Main boom length [m]	SL8-126	F2 [m]	12	-	-	-	-	-	8	15	•	•	•
			15	-	-	-	-	-	6.8	14	•	•	•
			18	-	-	-	-	-	6	13	•	•	•
			21	-	-	-	-	-	4.9	12	19	•	•
			24	-	-	-	-	-	4.1	11	17	19	•
			27	-	-	-	-	-	2.9	9.8	16	18	19
			30	-	-	-	-	-	2.6	9.3	15	17	18
			33	-	-	-	-	-	-	8	14	16	17
			36	-	-	-	-	-	-	7.2	13	15	16
39	-	-	-	-	-	-	6	12	14	14			
Main boom length [m]	SL8-132	F2 [m]	12	-	-	-	-	-	-	8.6	12	12	12
			15	-	-	-	-	-	-	7.3	11	11	11
			18	-	-	-	-	-	-	6.6	12	12	12
			21	-	-	-	-	-	-	5.4	12	12	12
			24	-	-	-	-	-	-	4.6	11	12	12
			27	-	-	-	-	-	-	3.5	9.7	12	12
			30	-	-	-	-	-	-	3.1	9.3	11	12
			33	-	-	-	-	-	-	2	8	10	11
			36	-	-	-	-	-	-	-	7.3	9.5	10
39	-	-	-	-	-	-	-	6	8.4	9.2			

- Hook block weight up to 20t permissible
- Erection not permissible

It may be necessary to use a greater hook block weight than is indicated here. See the load chart manual: Determination of hoist rope reeving and hook block. This heavier hook block must be carried along on the ground during erection / take-down, or the auxiliary weights must be attached after erection and removed before take down.

PROJECT:  
 LR11000 SL8DF2B 114+12

LOCATION: -----  
 BUCKNER CONTACT: Dan Ives, PE  
 Dani@BucknerHeavyLift.com  
 LIFT PLAN BY: Dan Ives, PE  
 Dani@BucknerHeavyLift.com

DRAWING NOTES:  
 Erection and Takedown –  
 DBR 18m

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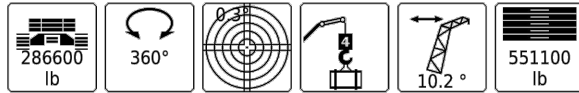


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EN 13000

SL8DF2B: SL8-374ft D-118ft F2-39ft10° B

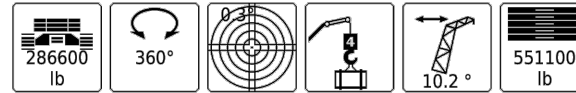


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SL8DF2B: SL8-374ft D-118ft F2-39ft10° B



PROJECT: LR11000 SL8DF2B 114+12

LOCATION: BUCKNER CONTACT: Dan Ives, PE Dani@BucknerHeavyLift.com LIFT PLAN BY: Dan Ives, PE Dani@BucknerHeavyLift.com

DRAWING NOTES: Load Chart 1

Table with columns for height (ft) and load capacity (x1000lb) for various crane configurations. Includes a summary table at the bottom with columns for x1000lb, ft, EST1, and ft/s.

Table with columns for height (ft) and load capacity (x1000lb) for various crane configurations. Includes a summary table at the bottom with columns for x1000lb, ft, EST1, and ft/s.

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Revisions

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SHEET: 010 OF 012

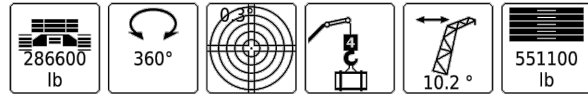


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EN 13000

SL8DF2B: SL8-374ft D-118ft F2-39ft10° B



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EN 13000

SL8DF2B: SL8-374ft D-118ft F2-39ft10° B

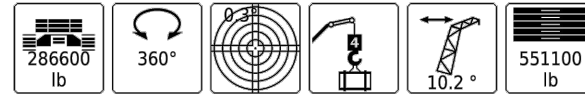


Table with columns for height (ft) and load (x1000lb) for various crane configurations. Includes summary rows for x1000lb, ft, EST1, and ft/s.

Table with columns for height (ft) and load (x1000lb) for various crane configurations. Includes summary rows for x1000lb, ft, EST1, and ft/s.

PROJECT: LR11000 SL8DF2B 114+12

LOCATION: BUCKNER CONTACT: Dan Ives, PE DanI@BucknerHeavyLift.com LIFT PLAN BY: Dan Ives, PE DanI@BucknerHeavyLift.com

DRAWING NOTES: Load Chart 2

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Revisions

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SHEET: 011 OF 012



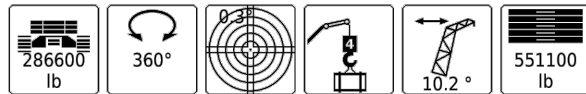


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SL8DF2B: SL8-374ft D-118ft F2-39ft10° B



PROJECT:  
LR11000 SL8DF2B 114+12

LOCATION: -----  
BUCKNER CONTACT: Dan Ives, PE  
Dani@BucknerHeavylift.com

LIFT PLAN BY: Dan Ives, PE  
Dani@BucknerHeavylift.com

DRAWING NOTES:  
Load Chart 3

	ft	x1000lb																				
		55	60	70	80	90	100	110	120	130	140	150	170	190	210	230	250	270	290	310	330	340
	55	557.8	557.8	513.9	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8
	60	557.8	557.8	470.5	553.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8
	70	557.8	557.8	396.4	483.2	555.6	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8
	80	557.8	557.8	339.0	416.7	494.5	557.5	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8
	90	557.8	557.8	291.8	362.0	432.3	502.6	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8
	100	556.7	556.7	253.4	317.6	381.9	446.1	508.8	548.4	556.4	556.4	556.4	556.4	556.4	556.4	556.4	556.4	556.4	556.4	556.4	556.4	556.4
	110	548.5	550.8	220.9	280.1	339.2	398.3	457.4	502.3	539.8	550.6	550.6	550.6	550.6	550.6	550.6	550.6	550.6	550.6	550.6	550.6	550.6
	120	511.8	536.1	193.3	248.1	302.8	357.6	412.4	455.2	496.4	529.9	540.3	542.1	542.1	542.1	542.1	542.1	542.1	542.1	542.1	542.1	542.1
	130	469.5	496.0	169.6	220.7	271.7	322.7	373.7	414.8	453.8	488.1	512.7	530.5	530.5	530.5	530.5	530.5	530.5	530.5	530.5	530.5	530.5
	140	431.4	457.1	148.9	196.6	244.4	292.1	339.9	379.1	415.9	449.3	479.4	506.8	506.8	506.8	506.8	506.8	506.8	506.8	506.8	506.8	506.8
	150	397.1	421.2	130.8	175.7	220.6	265.5	310.4	347.7	382.3	413.5	442.9	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3
	170	337.1	359.8	100.7	140.8	180.9	221.0	261.2	294.3	324.9	352.2	379.2	406.4	406.4	406.4	406.4	406.4	406.4	406.4	406.4	406.4	406.4
	190	289.5	310.0	76.2	112.5	148.8	185.0	221.3	250.9	278.4	303.4	327.7	352.4	352.4	352.4	352.4	352.4	352.4	352.4	352.4	352.4	352.4
	210	250.2	268.4	56.2	89.3	122.4	155.5	188.6	214.9	239.8	262.3	284.8	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2
	230	217.8	234.8	39.7	70.1	100.6	131.0	161.5	185.4	208.2	228.9	249.8	270.2	270.2	270.2	270.2	270.2	270.2	270.2	270.2	270.2	270.2
	250	190.4	205.1	25.6	53.8	82.0	110.2	138.2	160.1	181.6	200.7	219.8	238.4	238.4	238.4	238.4	238.4	238.4	238.4	238.4	238.4	238.4
	270	166.8	179.8	13.6	39.9	66.2	92.5	117.9	138.3	158.8	176.5	192.3	203.5	203.5	203.5	203.5	203.5	203.5	203.5	203.5	203.5	203.5
	290	146.2	157.7		28.0	52.6	77.3	100.3	119.3	138.7	155.4	167.9	171.7	171.7	171.7	171.7	171.7	171.7	171.7	171.7	171.7	171.7
	310	128.6	138.2		17.7	40.8	64.0	84.9	102.9	120.9	136.9	147.7	150.6	150.6	150.6	150.6	150.6	150.6	150.6	150.6	150.6	150.6
	330	113.0	120.1			30.7	52.6	71.1	88.4	105.6	121.0	129.4	132.4	132.4	132.4	132.4	132.4	132.4	132.4	132.4	132.4	132.4
	340	106.1	111.7			26.1	46.5	64.7	81.7	98.6	113.8	121.0	123.8	123.8	123.8	123.8	123.8	123.8	123.8	123.8	123.8	123.8
	x1000lb	881.8	992.1	0.0	110.2	220.5	330.7	440.9	551.1	661.4	771.6	881.8	992.1	992.1	992.1	992.1	992.1	992.1	992.1	992.1	992.1	992.1
	ft	49.2	49.2	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
	EST1	12x	12x	11x	12x	12x	12x	12x	12x	12x	12x	12x	12x	12x	12x	12x	12x	12x	12x	12x	12x	12x
	ft/s	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0

FILE: C:\Users\Dan Ives\OneDrive - Buckner Heavylift  
Cranes\Engineering\Drawings\BHL\Buckner\Build  
Sheets\LR 11000\LR 11000 - SL8DF2B 114m + 12m

CREATED: 06.17.2024 10:55:35 AM  
06.17.2024 10:55:35 AM

EDITING TIME: 11h15m FILE SIZE: 9517.84Kb

PAPER SIZE: ANSI B (17.00 x 11.00 Inches)

SAVED: 06.17.2024 @ 10:55:20 AM

PLOTTED: 06.17.2024 @ 10:55:35 AM

Revisions		
All Sheets Same Revision Level		
Rev.	Date	Description
000	06.17.2024	Preliminary Planning & Initial Layout
001	----	----
002	----	----
003	----	----
004	----	----
005	----	----
006	----	----
007	----	----
008	----	----
009	----	----
010	----	----